	TION AND POWER  ☑ Original □ Suppl		Y FOR U.S. PAT stitute		ICATION
As a below named in next to my name; and I belie and joint inventor (if plural in the invention entitled:	eve that I am the origina	al, first and sole inv	ventor (if only one na	name is listed b	ship are as stated below below) or an original, first ich a patent is sought on
Title: SPEAKER, MODULE I	USING THE SAME, EL	ECTRONIC EQUIF	MENT AND DEVICE	E, AND SPEAL	KER PRODUCING
which is described and claim the attached specification the specification in the and with amendments if	tion, or Application No filed on		filed on	(if applicable).	or
the specification in Int filed on March 17, 2005	ternational Application N 5	No. PCT/JP2005/UC and as amended c	<u>)4763</u> on	(if a	, policable).
	have reviewed and undo	lerstand the content			tion, including the claims,
I acknowledge my d patentability as defined in Titl	luty to disclose to the Uile 37, Code of Federal	.S. Patent and Tra Regulations, §1.56	demark Office all infe	formation know	n to me to be material to
I hereby claim foreign application(s) for patent or in country other than the United inventor's certificate, or of ar claimed:	inventor's certificate, or d States of America, list	r §365(a) of any Potential (a) and have telegraph (a) and have teleg	CT international app ve also identified belo	plication which low any foreign	application for patent or
COUNTRY	APPLICA	TION NO.	DATE OF F	FILING	PRIORITY CLAIMED
Japan	2004-1	103775	March 31,	, 2004	Yes
Japan	2004-J	197561	July 5, 20	2004	Yes
	1				
☐ Additional foreign or interna	national application num	bers are listed on a	a supplemental priori	ity sheet attach	ned hereto.
					Provisional application(s)
Numt	ber			th/Year Filed)	
			(Day/Mon		
			(Day/Mon		

 $\ \square$  Additional U.S. provisional application numbers are listed on a supplemental priority sheet attached hereto.

I hereby claim the benefit under Title 35, United States Code §120 of any United States application(s), or §365(C) of any PCT international application designating the United States of America, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT international application in the manner provided by the first paragraph of Title 35, United States Code §112, I acknowledge the duty to disclose information material to patentability as defined in Title 37, Code of Federal Regulations, §1.56 which occurred between the filing date of the prior application and the national or PCT international filing date of this application.

APPLICATION NO.	U.S. FILING DATE	STATUS: PATENTED, PENDING, ABANDONED

□ Additional U.S. or international application numbers are listed on a supplemental priority sheet attached hereto.

POWER OF ATTORNEY: As a named inventor, I hereby appoint the attorneys and agents associated with U.S. Patent and Trademark Office Customer Number identified bellow to prosecute this application and to transact all business in the U.S. Patent and Trademark Office connected therewith, and direct that all correspondence be addressed to that customer number.

I hereby authorize the U.S. attorneys and agents associated with the customer number to accept and follow instructions from Matsushita Electric Industrial Co., Ltd., and any affiliated or subsidiary company thereof, received via their corporate representatives and/or their foreign patent attorneys or agents, if any, as to any action to be taken in the U.S. Patent and Trademark Office regarding this application without direct communication between the U.S. attorneys or agents and myself.

Direct Correspondence to:

## CUSTOMER NUMBER 52349

Wenderoth, Lind & Ponack, L.L.P.

I further declare that all statements made herein of my own knowledge are true, and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Full Name of Sole or First	FIRST NAME	LAST NAME	SIGNATURE	DATE O	F SIGNATURE
Inventor	Takanori	FUKUYAMA	Takanosi Fuk	ugama J	Tune.19, 2006
Residence & Citizenship	CITY	STATE OR COUNT	RY		CITIZENSHIP
	Mie	Japan		Japan	
Post Office Address	ADDRESS	CITY		COUNTRY	ZIP CODE
	c/o Panasonic Electr	onic Devices Co., Ltd., 1006	i, Oaza Kadoma, Kadoma-si	hi, Osaka 571-8	506 Japan

Full Name of	FIRST NAME	LAST NAME	SIGNATURE	DATE OF	SIGNATURE
Second Inventor	Tomoyasu	TAKASE	Tomogran Taku	de Tuy	23.200h
Residence & Citizenship	CITY	STATE OR COU		COUNTRY OF	
	Mie	Japan		Japan	
Post Office Address	ADDRESS	CITY	STATE OR (	COUNTRY	ZIP CODE
	c/o Panasonic Electr	onic Devices Co., Ltd., 100	06, Oaza Kadoma, Kadoma-shi	i, Osaka 571-85	06 Japan

	FIRST NAME	LAST NAME	SIGN	ATURE	DATE OF SIGNATU	IRE
Third Inventor	Koji	SANO		Sano	June 19.20	
Residence & Citizenship	CITY Mie	STATE OR COU	NTRY	200700	COUNTRY OF CITIZENS	SHIP
Post Office Address	ADDRESS	Japan CITY		STATE OF	Japan	
			06, Oaza Kado	oma, Kadoma-s	R COUNTRY ZIP C shi, Osaka 571-8506 Japan	ODE
Full Name of	FIRST NAME	LAST NAME	SICA	IATURE	DATE OF CLOVE	
Fourth Inventor	Hiroshi	VANO	11RUSH/		June 19. 200	
Residence & Citizenship	CITY Mie	STATE OR COU			COUNTRY OF CITIZENS	
Post Office Address	ADDRESS	CITY		STATE OF	R COUNTRY ZIP C	ODE
	c/o Panasonic Electr	ronic Devices Co., Ltd., 10	06, Oaza Kado	ma, Kadoma-s	shi, Osaka 571-8506 Japan	ODE
Full Name of	FIRST NAME	LAST NAME	SICN	ATURE		
Fifth Inventor	Masanori	NAKANO		i Nakaho	June 19. 200	
Residence & Citizenship	CITY Mie	STATE OR COUI	NTRY	LIVUKUDO	COUNTRY OF CITIZENS Japan	SHIP
Post Office Address	ADDRESS	CITY		STATE OF	COUNTRY ZIP CO	ODE
	c/o Panasonic Electr	onic Devices Co., Ltd., 10	06, Oaza Kado	ma, Kadoma-s	hi, Osaka 571-8506 Japan	ODE
Full Name of	FIRST NAME	LACTMANE	CICNI	ATURE		
Full Name of Sixth Inventor	FIRST NAME Shigeru	TOMOEDA		ATURE	DATE OF SIGNATU	
		TOMOEDA Sh STATE OR COUR	igetu J	omo eda	June 19.20 COUNTRY OF CITIZENS	
Sixth Inventor	Shigeru  CITY Mie  ADDRESS	TOMOEDA Sh STATE OR COUN Japan CITY	igetu J	omo eda		o o 6 SHIP
Sixth Inventor  Residence & Citizenship  Post Office Address	Shigeru  CITY Mie  ADDRESS c/o Panasonic Electr	TOMOEDA Sh STATE OR COUI Japan CITY onic Devices Co., Ltd., 100	19etu Jo NTRY 06, Oaza Kado	STATE OR	June 19.20 COUNTRY OF CITIZENS Japan	<u>0 о б</u> ВНІР
Sixth Inventor  Residence & Citizenship	Shigeru  CITY Mie  ADDRESS	TOMOEDA Sh STATE OR COUN Japan CITY	19etu Jo NTRY 06, Oaza Kado	omo eda	June 19. 20 COUNTRY OF CITIZENS Japan COUNTRY ZIP CO hi, Osaka 571-8506 Japan  DATE OF SIGNATU	O O O O SHIP ODE
Sixth Inventor  Residence & Citizenship  Post Office Address  Full Name of	Shigeru  CITY Mie  ADDRESS c/o Panasonic Electr  FIRST NAME Kazuki  CITY	STATE OR COUNTY Japan CITY onic Devices Co., Ltd., 100  LAST NAME HONDA STATE OR COUNTY	igetu Jonthy  06, Oaza Kado  SIGNA	STATE OR	June 19. 20 COUNTRY OF CITIZENS Japan COUNTRY ZIP CO hi, Osaka 571-8506 Japan  DATE OF SIGNATU  Une 19, 2006 COUNTRY OF CITIZENS	O O O O O O O O O O O O O O O O O O O
Sixth Inventor  Residence & Citizenship  Post Office Address  Full Name of Seventh Inventor  Residence & Citizenship	Shigeru  CITY Mie  ADDRESS c/o Panasonic Electr  FIRST NAME Kazuki  CITY Mie	STATE OR COUNTY ONIC Devices Co., Ltd., 100  LAST NAME HONDA  STATE OR COUNTY Japan	igetu Jonthy  06, Oaza Kado  SIGNA	STATE OR Ma, Kadoma-s ATURE	DATE OF SIGNATU  U(ne 19, 2006  COUNTRY OF CITIZENS  DATE OF SIGNATU  U(ne 19, 2006  COUNTRY OF CITIZENS  Japan	O O O O O O O O O O O O O O O O O O O
Sixth Inventor  Residence & Citizenship  Post Office Address  Full Name of Seventh Inventor	Shigeru  CITY Mie ADDRESS c/o Panasonic Electr  FIRST NAME Kazuki  CITY Mie ADDRESS	TOMOEDA  Sh  STATE OR COUN  Japan  CITY  onic Devices Co., Ltd., 100  LAST NAME HONDA  STATE OR COUN  Japan  CITY	SIGNA STRY	STATE OR MALE	June 19. 20 COUNTRY OF CITIZENS Japan COUNTRY ZIP CO hi, Osaka 571-8506 Japan  DATE OF SIGNATU  Une 19, 2006 COUNTRY OF CITIZENS	O O C SHIP ODE JRE SHIP
Sixth Inventor  Residence & Citizenship  Post Office Address  Full Name of Seventh Inventor  Residence & Citizenship  Post Office Address  (If there are more than inventors)	Shigeru  CITY Mie ADDRESS c/o Panasonic Electr  FIRST NAME Kazuki  CITY Mie ADDRESS c/o Panasonic Electron n seven inventors, pleas	Share or cour Japan CITY onic Devices Co., Ltd., 100  LAST NAME HONDA  STATE OR COUR Japan CITY onic Devices Co., Ltd., 100 e add a copy of this page	SIGNA SIGNA NTRY	STATE OR MA, KADOMA-S  ATURE  STATE OR MA, KADOMA-SI	COUNTRY OF CITIZENS Japan COUNTRY  DATE OF SIGNATU  U(ne 19, 2004  COUNTRY OF CITIZENS Japan COUNTRY ZIP CO  COUNTRY OF CITIZENS Japan COUNTRY ZIP CO  hi, Osaka 571-8506 Japan	O O C SHIP ODE JRE SHIP
Sixth Inventor  Residence & Citizenship  Post Office Address  Full Name of Seventh Inventor  Residence & Citizenship  Post Office Address  (If there are more than	Shigeru  CITY Mie ADDRESS c/o Panasonic Electr  FIRST NAME Kazuki  CITY Mie ADDRESS c/o Panasonic Electron n seven inventors, pleas	Share or cour Japan CITY onic Devices Co., Ltd., 100  LAST NAME HONDA  STATE OR COUR Japan CITY onic Devices Co., Ltd., 100 e add a copy of this page	SIGNA SIGNA NTRY	STATE OR MA, KADOMA-S  ATURE  STATE OR MA, KADOMA-SI	COUNTRY OF CITIZENS Japan COUNTRY  DATE OF SIGNATU  U(ne 19, 2004  COUNTRY OF CITIZENS Japan COUNTRY ZIP CO  COUNTRY OF CITIZENS Japan COUNTRY ZIP CO  hi, Osaka 571-8506 Japan	O O O O O O O O O O O O O O O O O O O

Eighth Inventor	FIRST NAME	LAST NAME	SIGNATI	URE	DATE O	F SIGNATURE
	Kazuya	YAMASAKI	Kazuya	Yama.	saki Ji	ne . 19. 200
Residence & Citizenship	CITY	STATE OR COU	NTRY		COUNTRY O	F CITIZENSHIP
	Osaka	Japan			Japan	
Post Office Address	ADDRESS c/o Panasonic Electro	CITY onic Devices Co., Ltd., 10	06, Oaza Kadoma	STATE OF a, Kadoma-s	R COUNTRY hi, Osaka 571-8	ZIP CODE 3506 Japan
Full Name of	TEIDSTALANT					
Ninth Inventor	FIRST NAME Kazutaka	LAST NAME KUBO	SIGNAT			F SIGNATURE
Militi inventoi	Nazulaka	KOBO	Kazutaka	KUBO	June.	19.2006
Residence & Citizenship	CITY	STATE OR COU	NTRY		COUNTRY O	F CITIZENSHIP
Post Office Address	Mie	Japan			Japan	
Post Office Address	ADDRESS c/o Panasonic Electro	CITY onic Devices Co., Ltd., 10	06, Oaza Kadoma	STATE OF , Kadoma-s	t COUNTRY hi, Osaka 571-8	ZIP CODE 3506 Japan
Full Name of	FIRST NAME	LAST NAME	SIGNAT	UDE	DATE	F SIGNATURE
Tenth Inventor	Takeshi	SHIMOKAWATO	KO .	URE ,	DATEC	F SIGNATURE
	T LINCOLL'	O MINIO I CANATO	NTRY	Shiriteas	with Fra	* c( `?'0);
Residence & Citizenship	CITY	STATE OR COU	NTRY		COUNTRY O	F CITIZENSHIF
	Mie	Japan			Japan	
Post Office Address	ADDRESS	CITY		STATE OF	COUNTRY	ZIP CODI
· · · · · · · · · · · · · · · · · · ·	c/o Panasonic Electri	onic Devices Co., Ltd., 10	06, Oaza Kadoma	ı, Kadoma-s	hi, Osaka 571-8	3506 Japan
Full Name of	FIRST NAME	LAST NAME	SIGNATI	JRE	DATE O	F SIGNATURE
Full Name of Eleventh inventor	FIRST NAME Mitsutaka					
Eleventh Inventor	Mitsutaka					
		ENOMOTO $\mathcal{M}_{i}$	tsutaka E		COUNTRY O	
Eleventh Inventor	Mitsutaka		tsu t3ka E NTRY	nomo t	COUNTRY O	ع در الا F CITIZENSHIF
Eleventh Inventor Residence & Citizenship	Mitsutaka  CITY Mie  ADDRESS	ENOMOTO MIN STATE OR COU Japan	tsutska E	nomo (	COUNTRY O  Japan  COUNTRY	ع را الله الله الله الله الله الله الله ا
Eleventh Inventor  Residence & Citizenship  Post Office Address	Mitsutaka  CITY Mie  ADDRESS c/o Panasonic Electro	STATE OR COU Japan CITY onic Devices Co., Ltd., 10	tsut}ka E NTRY 06, Oaza Kadoma	STATE OF	COUNTRY O Japan COUNTRY hi, Osaka 571-8	2 // 206 F CITIZENSHIF ZIP CODE 3506 Japan
Eleventh Inventor  Residence & Citizenship  Post Office Address  Full Name of	Mitsutaka  CITY Mie ADDRESS c/o Panasonic Electro	STATE OR COU Japan CITY onic Devices Co., Ltd., 10	tsut}ka E NTRY 06, Oaza Kadoma	STATE OF	COUNTRY O Japan I COUNTRY hi, Osaka 571-8	E ./ S . D . D . F CITIZENSHIF  ZIP CODI  3506 Japan  F SIGNATURE
Eleventh Inventor  Residence & Citizenship  Post Office Address  Full Name of	Mitsutaka  CITY Mie  ADDRESS c/o Panasonic Electro	STATE OR COU Japan CITY onic Devices Co., Ltd., 10	tsut}ka E NTRY 06, Oaza Kadoma	STATE OF	COUNTRY O Japan I COUNTRY hi, Osaka 571-8	E ./ S . D . D . F CITIZENSHIF  ZIP CODI  3506 Japan  F SIGNATURE
Eleventh Inventor  Residence & Citizenship  Post Office Address  Full Name of Twelfth Inventor	Mitsutaka  CITY Mie ADDRESS c/o Panasonic Electro	STATE OR COU Japan CITY onic Devices Co., Ltd., 10	tsut}ka E NTRY 06, Oaza Kadoma	STATE OF	COUNTRY O Japan I COUNTRY hi, Osaka 571-8	2 / / Job F CITIZENSHIF ZIP CODE 3506 Japan F SIGNATURE
Eleventh Inventor  Residence & Citizenship  Post Office Address  Full Name of Twelfth Inventor  Residence & Citizenship	Mitsutaka  CITY Mie  ADDRESS c/o Panasonic Electro  FIRST NAME Masahide  CITY Mie	STATE OR COU Japan CITY onic Devices Co., Ltd., 10 LAST NAME SUMIYAMA STATE OR COU Japan	tsutzka E NTRY 06, Oaza Kadoma SIGNATI 1asah; de S	STATE OF A KADOMA-S	COUNTRY O Japan B COUNTRY hi, Osaka 571-8  DATE O  J June COUNTRY O Japan	P ./ J . DO L F CITIZENSHIF ZIP CODI 3506 Japan F SIGNATURE I J . DO L F CITIZENSHIF
Eleventh Inventor  Residence & Citizenship  Post Office Address  Full Name of Twelfth Inventor	Mitsutaka  CITY Mie ADDRESS c/o Panasonic Electro  FIRST NAME Masahide  CITY Mie ADDRESS	STATE OR COU Japan CITY onic Devices Co., Ltd., 10	tsut]ka E NTRY 06, Oaza Kadoma SIGNATI 1asah; de S	STATE OF	DATE O  COUNTRY O  Japan  COUNTRY  hi, Osaka 571-8  DATE O  A  COUNTRY  COUNTRY  COUNTRY	F SIGNATURE F CITIZENSHIF F CITIZENSHIF